



PATENT
Docket No.: 201487/1030 (SEN-002PCT-US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Karube et al.)
Serial No. : 09/623,970)
Cnfrm. No. : 1866)
Filed : March 12, 1999)
For : SITE-SPECIFIC CELL PERFORATION)
TECHNIQUE)

Examiner:
B. Loeb

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AMENDMENT UNDER 37 C.F.R. § 1.116

U.S. Patent and Trademark Office
P.O. Box 2327
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Dear Sir:

In response to the May 7, 2002, office action, please amend the above application as follows:

In the claims:

Please amend claim 1 as follows:

1. (Twice Amended) A method of site specific regulated membrane disruption comprising:

contacting a membrane with a membrane-disrupting reagent that induces a membrane-denaturing reaction when the membrane is exposed to a stimulus, wherein the membrane-disrupting reagent is attached to a support which facilitates precise contact of the membrane-disrupting reagent with the membrane, wherein the membrane is separate and distinct from the support; and

applying the stimulus to the membrane at a contact site under conditions effective to temporarily and partially disrupt the membrane only at the contact site where permeability of the membrane recovers to the state prior to disruption.